

An electric motor with an electromagnetic brake is proposed, especially for an angle grinder, with a stator (11) which has at least one pole pair, of which at least one pole (14) has a pole shoe (15) which points to the inside towards the rotor periphery and is surrounded by a stator winding (20), the pole (14) accommodating a brake means (22) for braking of the rotor (12) which comprises a brake element (23) which can be adjusted against the braking force (33) by the magnetic field of the stator winding (20). The brake element (23) is made as claimed in the invention as a rocker which is exposed to the braking force (33) off-center. As a result of the off-center application of force the brake element (23) with the disengagement arm (30) can be arranged in the magnetic flux of the stator winding (20) such that a high disengagement moment can be achieved.

(Figure 1)